Accountants Compilation Report

Copy of Accountants Compilation Report letter to be inserted here before the Table of Contents

Letter on File

Dated March 22, 2002

for

Year Ended December 31, 2012

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GENERAL INFORMATION Page 3 1. Name of town (or city) making report. Marblehead 2. If the town (or city) has acquired a plant: Kind of plant, whether gas or electric. Owner from whom purchased, if so acquired. Date of votes to acquire a plant in accordance with the provisions of chapter 164 of the General Laws. Record of votes: First vote: Yes, ; No, Second vote: Yes, ; No, Date when town (or city) began to sell gas and electricity, Name and address of manager of municipal lighting: Jay P. Anderson 80 Commercial Street Marblehead, MA 01945 4. Name and address of mayor or selectmen: Jackie Belf-Becker Abbot Hall Marblehead, MA 01945 Harry C. Christensen Jr. Abbot Hall Marblehead, MA 01945 Judith R. Jacobi Abbot Hall Marblehead, MA 01945 Bret T. Murray Abbot Hall Marblehead, MA 01945 James E. Nye Abbot Hall Marblehead, MA 01945 Name and address of town (or city) treasurer: Patricia Murray Widger Road Marblehead, MA 01945 6. Name and address of town (or city) clerk: Robin A. Michaud Abbot Hall Marblehead, MA 01945 7. Names and addresses of members of municipal light board: Philip W. Sweeney 26 South Street Marblehead, MA 01945 Wilbur E. Bassett 22 Girdler Road Marblehead, MA 01945 Calvin T. Crawford 26 Anderson Street Marblehead, MA 01945 Walter E. Homan 31A Haley Road Marblehead, MA 01945 Charles O. Phillips 51 Gregory Street Marblehead, MA 01945 Total valuation of estates in town (or city) according to last State valuation (taxable) \$5,049,335,856.00 Tax rate for all purposes during the year: Residential \$10.85 Open Space \$0.00 Commercial/Industrial/Personal Property \$10.85 10. Amount of manager's salary: \$135,601.46 11. Amount of manager's bond: \$0.00 12. Amount of salary paid to members of municipal light board (each): \$0.00

FURNISH SCHEDULE OF			•	•
FOR GAS AND ELECTRIC	LIGHT PLANTS FO	R THE FISCAL Y	EAR, ENDING DECI	EMBER 31, NEX I. Amount
INCOME FROM PRIV	ATE CONSUMERS:			Amount
1 From sales of gas	AIL CONCOMENC.			
2 From sales of electrici	tv			15,087,100.00
3	,		TOTAL	15,087,100.00
4				
5 EXPENSES				
6 For operation, mainter	•			13,901,100.00
7 For interest on bonds,	•			
8 For depreciation fund	(3% on	28,519,708.11	as per page 8 B)	855,591.24
9 For sinking fund require	rements			
10 For note payments 11 For bond payments				
12 For loss in preceding	⁄ear			
13	,cai		TOTAL	14,756,691.24
14			IOIAL	14,700,001.24
15 COST :				
16 Of gas to be used for	municipal buildings			
17 Of gas to be used for	. •			
18 Of electricity to be use	d for municipal buildi	ngs		782,637.85
19 Of electricity to be use	•			116,519.81
20 Total of above items to	be included in the ta	ıx levy		899,157.66
21				
22 New construction to be		•		000 457 66
23 Total amounts to be	included in the tax lev	vy		899,157.66
Names of cities or towns in		Names of cities	or towns in which the	nlant sunnlies
supplies GAS, with the nur	-		vith the number of cu	• • • • • • • • • • • • • • • • • • • •
meters in each.		meters in each.		
	Number			Number
City or Town	of Customers'		City or Town	of Customers'
	Meters, Dec. 31			Meters, Dec. 31
NONE		NONE	Marblehead	10,624
			10,624	
			10,624	
			10,624	
			10,624 10,624	
			10,624	
			10,624	
			10,624	
			10,624	
			10,624	
			10,624	
			10,624	
			10,624	
TOTAL	_ 0	0	TOTAL	10,624

AIIIIU	ial Report of the Town of Marbierlead	real Efficed December 31, 20	712	i age c
	APPROPRIATIONS SIN	NCE BEGINNING OF YEAR		
(In	nclude also all items charged direct to tax le	evy, even where no appropriation is made or req	uired.)	
FOR	CONSTRUCTION OR PURCHASE OF P	LANT		
*At	meeting	, to be paid from **		
*At	meeting	, to be paid from **		
			TOTAL	0.00
FOR	THE ESTIMATED COST OF THE GAS O	R ELECTRICITY		
	TO BE USED BY THE CITY OR TOWN	FOR:		
1.	Street lights			117,166.33
2.	Municipal buildings			711,488.95
3.				
			TOTAL	828,655.28
* Dat	te of meeting and whether regular or speci	al ** Here insert bonds, notes or ta	x levv	
Dui	is an incoming and innomic regular or specific	a	$\lambda = \lambda $	

CHANGES IN THE PROPERTY

1. Describe briefly all the important physical changes in the property during the last fiscal period including additions, alterations or improvements to the works or physical property retired.

In electric property:

- * Replaced additional 7,043 meters for a total of 9,080 meters as part of Smart Grid Investment Grant Advanced Metering Infrastructure Program.
- * Added additional underground transformers and associated conduits for Camille Terrace development.
- * Redeveloped Warwick Property for new commercial space, new underground conduits and equipment.
- * Replaced five commercial padmount transformers and continued replacement of overhead transformers to reduce PCB exposure.
- * Completed Neck Circuit reconductoring for voltage support.
- * Started removal and continued abatement of Commercial Street Generator and switchgear.

In gas property: Not applicable

Bonds	
(Issued on Account of Gas or Electric	Lighting.)

		Amount of	Period of Payı	ments		Interest	Amount Outstanding
When Authorized*	Date of Issue	Original Issue **	Amounts	When Payable	Rate	When Payable	at End of Year
03/04/1894	07/01/1894	50,000.00					
03/03/1908	07/01/1908	6,000.00					
10/29/1909	11/01/1909	30,000.00					
03/15/1973	11/15/1973	760,000.00	75,000.00	November 15	4.4	May 15 & Nov 15	NONE
03/03/1974	01/01/1975	477,891.00		l Initial MMWEC B I	onding - T	ransferred to MMWE	C July 1978
	TOTAL	1,323,891.00				TOTAL	NONE

The bonds and notes outstanding at end of year should agree with the Balance Sheet.

When bond and notes are repaid report the first three columns only

^{*} Date of meeting and whether regular or special

^{**} List original issues of bonds and notes including those that have been repaid

Town Notes

(Issued on Account of Gas or Electric Lighting.)

		Amount of	Period of Payı	ments		Interest	Amount Outstanding
When Authorized*	Date of Issue	Original Issue **	Amounts	When Payable	Rate	When Payable	at End of Year
	06/01/1895	10,000.00					
	12/01/1896	4,000.00					
	01/01/1902	9,500.00					
March 1927	01/02/1928	15,000.00					
March 1937	08/01/1938	38,000.00					
	TOTAL	76,500.00				TOTAL	NONE

The bonds and notes outstanding at end of year should agree with the Balance Sheet.

When bond and notes are repaid report the first three columns only

^{*} Date of meeting and whether regular or special

^{**} List original issues of bonds and notes including those that have been repaid

- 1. Report below the cost of utility plant in service according to prescribed accounts
- 2. Do not include as adjustments, corrections of additions and retirements for the current or the

TOTAL COST OF PLANT - ELECTRIC

preceding year. Such items should be included in column (c) or (d) as appropriate.

- 3 . Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative
- effect of such amounts.
- 4. Reclassifications or transfers within utility plant accounts should be shown in column (f).

additio	ons and remements for the current of the	enclosed in parenties	ses to indicate th	e negative			
		Balance					Balance
Line	Account	Beginning of Year	Additions	Retirements	Adjustments	Transfers	End of Year
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	INTANGIBLE PLANT						
2	303 Misc Intangible Plant - Trans	2,327,602.99					2,327,602.99
3							
4		2,327,602.99	0.00	0.00	0.00	0.00	2,327,602.99
5	2. PRODUCTION PLANT						
6	A. Steam Production						
7	310 Land and Land Rights						
8	311 Structures and Improvements						
9	312 Boiler Plant Equipment						
10	313 Engines and Engine Driven Generators						
11	314 Turbogenerator Units						
12	315 Accessory Electric Equipment						
13	316 Miscellaneous Power Plant Equipment						
15	Total Steam Production Plant	0.00	0.00	0.00	0.00	0.00	0.00
16	B. Nuclear Production Plant						
17	320 Land and Land Rights						
18	321 Structures and Improvements						
19	322 Reactor Plant Equipment						
20	323 Turbogenerator Units						
21	324 Accessory Electric Equipment						
22	325 Miscellaneous Power Plant Equipment						
23	Total Nuclear Production Plant	0.00	0.00	0.00	0.00	0.00	0.00

TOTAL COST OF PLANT - ELECTRIC (Continued)

		Balance					Balance
Line	Account	Beginning of Year	Additions	Retirements	Adjustments	Transfers	End of Year
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	C. Hydraulic Production Plant						
2	330 Land and Land Rights						
3	331 Structures and Improvements						
4	332 Reservoirs, Dams and Waterways						
5	333 Water Wheels, Turbines and Generators						
6	334 Accessory Electric Equipment						
7	335 Miscellaneous Power Plant Equipment						
8	336 Roads, Railroads and Bridges						
9	Total Hydraulic Production Plant	0.00	0.00	0.00	0.00	0.00	0.00
10	D. Other Production Plant						
11	340 Land and Land Rights	10,696.49					10,696.49
12	341 Structures and Improvements	312,769.33					312,769.33
13	342 Fuel Holders, Producers and Accessories	62,164.53					62,164.53
14	343 Prime Movers	345,344.72					345,344.72
15	344 Generators	747,526.53	601.70				748,128.23
16	345 Accessory Electric Equipment						
17	346 Miscellaneous Power Plant Equipment						
18	Total Other Production Plant	1,478,501.60	601.70	0.00	0.00	0.00	1,479,103.30
19	Total Production Plant	1,478,501.60	601.70	0.00	0.00	0.00	1,479,103.30
20	Transmission Plant						
21	350 Land and Land Rights	40,900.00					40,900.00
22	351 Clearing Land and Rights of Way	1,851.50					1,851.50
23	352 Structures and Improvements	42,849.54					42,849.54
24	353 Station Equipment	35,999.02					35,999.02
25	354 Towers and Fixtures	240.78					240.78
26	355 Poles and Fixtures	55,174.33					55,174.33
27	356 Overhead Conductors and Devices	425,570.20					425,570.20
28	357 Underground Conduit	706,873.13					706,873.13
29	358 Underground Conductors and Devices	290,170.78					290,170.78
30	359 Roads and Trails						
31	Total Transmission Plant	1,599,629.28	0.00	0.00	0.00	0.00	1,599,629.28

TOTAL COST OF PLANT (Concluded)							
Line		Balance					Balance
No.	Account	Beginning of Year	Additions	Retirements	Adjustments	Transfers	End of Year
	(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	4. DISTRIBUTION PLANT						
2	360 Land and Land Rights	500.00					500.00
3	361 Structures and Improvements	1,040,971.30					1,040,971.30
4	362 Station Equipment	5,092,582.66	13,815.60				5,106,398.26
5	363 Storage Battery Equipment	44,977.99					44,977.99
6	364 Poles Towers and Fixtures	1,943,761.60	90,573.21	16,426.15			2,017,908.66
7	365 Overhead Conductors and Devices	2,772,321.09	136,167.12	19,631.18			2,888,857.03
8	366 Underground Conduit	2,290,484.86	12,219.12				2,302,703.98
9	367 Underground Conductors and Devices	2,251,910.14	18,650.19				2,270,560.33
10	368 Line Transformers	1,237,725.41	140,798.01	25,157.02			1,353,366.40
11	369 Services	516,048.18	29,539.92				545,588.10
12	370 Meters	1,978,506.40	1,175,195.33	64,251.82			3,089,449.91
13	371 Installations on Customer's Premises	78,203.70					78,203.70
14	372 Leased Prop on Customer's Premises						
15	373 Streetlight and Signal Systems	439,151.42	11,806.97	7,684.58			443,273.81
16	Total Distribution Plant	19,687,144.75	1,628,765.47	133,150.75	0.00	0.00	21,182,759.47
17	5. GENERAL PLANT						
18	389 Land and Land Rights						
19	390 Structures and Improvements	592,959.56					592,959.56
20	391 Office Furniture and Equipment	582,104.19	7,568.22				589,672.41
21	392 Transportation Equipment	670,803.51	22,023.00	29,956.51			662,870.00
22	393 Stores Equipment						
23	394 Tools, Shop and Garage Equipment						
24	395 Laboratory Equipment						
25	396 Power Operated Equipment						
26	397 Communication Equipment	104,665.30	34,393.79				139,059.09
27	398 Miscellaneous Equipment						
28	399 Other Tangible Property						
29	Total General Plant	1,950,532.56	63,985.01	29,956.51	0.00	0.00	1,984,561.06
30	Total Electric Plant in Service	27,043,411.18	1,693,352.18	163,107.26	0.00	0.00	28,573,656.10
31					Total Cost of Elect	ric Plant	28,573,656.10
33					, Land Rights, Righ		53,947.99
34					hich Depreciation is		28,519,708.11
The ab	ove figures should show the original cost of the e	xisting property. In case	any part of the p	roperty is sold or r	etired, the cost of s	uch property	
should be deducted from the cost of the plant. The not cost of the property loss the land value, should be taken as a basis for figuring depreciation							

should be deducted from the cost of the plant. The net cost of the property, less the land value, should be taken as a basis for figuring depreciation.

PAGE 9 IS A NOTE ONLY PAGE

<u>Note</u>

1 Profit Rate 2012: #VALUE!

Net Profit (page 12 Col E Line 33) divided by Total Cost of Electric Plant in Service (page 8B Col J Line 106) #VALUE! 28,573,656.10

2 Estimated Maximum Profit Allowed for 201 2,285,892.49

Total Cost of Electric Plant in Service (page 8 Col J Line 106) X Eight Per Cent

3 Depreciation for 2013 at 3 Per Cent: 855,591.24

Total Cost of Electric Plant in Service Less Cost of Land and Land Rights-Of -Way (page 8 Col J Line 109) X Three Per Cent

Quarterly Transfer for Depreciation 213,897.81

COMPARATIVE BALANCE SHEET Assets and Other Debits Balance Balance Increase Line Title of Account Beginning End or of Year of Year (Decrease) No. (a) (b) (c) (d) **UTILITY PLANT** 1 2 101 Utility Plant - Electric (P. 17) 13,282,644.83 13,629,920.63 347,275.80 3 101 Utility Plant - Gas (P. 20) 4 5 **Total Utility Plant** 13,282,644.83 13,629,920.63 347,275.80 6 7 8 9 10 11 **FUND ACCOUNTS** 12 125 Sinking Funds 13 126 Depreciation Fund (P. 14) 3,625,527.97 3,918,771.36 293,243.39 14 128 Other Special Funds 2,453,719.28 2,470,618.01 16,898.73 6,079,247.25 15 **Total Funds** 6,389,389.37 310,142.12 16 **CURRENT AND ACCRUED ASSETS** 17 131 Cash (P. 14) 3,429,008.03 4,005,731.44 576,723.41 18 132 Special Deposits 71,581.58 125,677.50 54,095.92 135 Working Funds 19 500.00 500.00 0.00 20 141 Notes Receivable 21 142 Customer Accounts Receivable 1,639,332.73 1,624,816.04 (14,516.69)22 143 Other Accounts Receivable 23 146 Receivables from Municipality 95,264.35 106,676.10 11,411.75 24 151 Materials and Supplies (P. 14) 85,062.54 83,979.46 (1,083.08)171 Interest & Dividend Receivable 25 400.79 0.00 (400.79)165 Prepayments 26 1,267,125.77 1,268,302.49 1,176.72 27 174 Miscellaneous Current Assets 28 **Total Current and Accrued Assets** 6,588,275.79 7,215,683.03 627,407.24 29 **DEFERRED DEBITS** 30 181 Unamortized Debt Discount 31 182 Extraordinary Property Losses 32 185 Other Deferred Debits 33 Total Deferred Debits 0.00 0.00 0.00 34 35 25,950,167.87 27,234,993.03 1,284,825.16 **Total Assets and Other Debits**

COI	MPAI	RATIVE BALANCE SHEET Liabilities	and Other Cr	edits	
			Balance	Balance	Increase
Line		Title of Account	Beginning	End	or
No.		(a)	of Year	of Year	(Decrease)
			(b)	(c)	(d)
1		APPROPRIATIONS			
2	201	Appropriations for Construction	NONE	NONE	NONE
3		SURPLUS			
4	205	Sinking Fund Reserves			
5	206	Loans Repayment			
6	207	Appropriations for Construction Repayments			
7	208	Unappropriated Earned Surplus (P. 12)	22,406,280.21	23,475,708.30	1,069,428.09
8		Total Surplus	22,406,280.21	23,475,708.30	1,069,428.09
9		LONG TERM DEBT			
10		Bonds (P. 6)			
11	231	Notes Payable (P. 7)			
12		Total Bonds and Notes	NONE	NONE	NONE
13		CURRENT AND ACCRUED LIABILITIES			
14		Accounts Payable	1,198,506.85	1,366,959.60	168,452.75
15		Payables to Municipality (Water)			
16		Customers' Deposits	71,314.58	124,477.50	53,162.92
17		Taxes Accrued			
18		Interest Accrued			
19	242	Miscellaneous Current and Accrued Liabilities			
20		Total Current and Accrued Liabilities	1,269,821.43	1,491,437.10	221,615.67
21	0=4	DEFERRED CREDITS			
22		Unamortized Premium on Debt			
23		Customer Advances for Construction			
24	253	Other Deferred Credits	NONE	NONE	NONE
25		Total Deferred Credits	NONE	NONE	NONE
26	000	RESERVES	200 050 44	202 005 40	(20,070,05)
27		Reserves for Uncollectible Accounts	396,659.11	363,985.46	(32,673.65)
28		Property Insurance Reserve			
29 30		Injuries and Damages Reserves Pensions and Benefits Reserves	177 077 10	110 110 17	(GE 764 OE)
30			177,877.12	112,112.17	(65,764.95)
31		Reserve for Rate Stabilization	900,000.00 799,530.00	900,000.00 891,750.00	0.00 92,220.00
32	205	Miscellaneous Operating Reserves Total Reserves	2,274,066.23	2,267,847.63	
33		CONTRIBUTIONS IN AID OF	2,214,000.23	2,201,041.03	(6,218.60)
33		CONSTRUCTION			
24	274	Construction Contributions in Aid of Construction	NONE	NONE	NONE
34 35	<i>21</i> l	Total Liabilities and Other Credits	#VALUE!	#VALUE!	#VALUE!
აა		iolai Liabililles and Other Credits	#VALUE!	#VALUE!	#VALUE!

State below if any earning of the municipal lighting plant have been used for any purpose other than discharging indebtedness of the plant, the purpose for which used, and the amount thereof.

Ailiua	·	December 31, 2012	raye 12
	STATEMENT OF INCOME FOR THE YEAR		
	A 1	0	Increase or
Line	Account	Current Year	(Decrease) from
No.	(a)	(b)	Preceding Year
1	OPERATING INCOME		(c)
1 2	400 Operating Revenues (P. 37 and 43)	14,816,354.48	(247,967.50)
3	Operating Expenses:	14,010,004.40	(247,907.50)
4	401 Operation Expense (p. 42 and 47)	11,536,578.52	(701,048.22)
5	402 Maintenance Expense	1,021,246.21	114,994.64
6	403 Depreciation Expense	1,349,473.16	81,699.49
7	407 Amortization of Property Losses	1,010,110.10	31,000.10
8			
9	408 Taxes (P. 49)		
10	Total Operating Expenses	13,907,297.89	(504,354.09)
11	Operating Income	909,056.59	256,386.59
12	414 Other Utility Operating Income (P. 50)	,	,
13	, ,		
14	Total Operating Income	909,056.59	256,386.59
15	OTHER INCOME		
16	415 Income from Merchandising, Jobbing,	331,496.61	(24,999.19)
	and Contract Work (P. 51)		
17	419 Interest Income	22,612.38	(12,732.87)
18	421 Miscellaneous Nonoperating Income (P. 21)		
19	Total Other Income	354,108.99	(37,732.06)
20	Total Income	1,263,165.58	218,654.53
21	MISCELLANEOUS INCOME DEDUCTIONS		
22	425 Miscellaneous Amortization		
23	426 Other Income Deductions		
24	Total Income Deductions	NONE	NONE
25	Income Before Interest Charges	1,263,165.58	218,654.53
26	INTEREST CHARGES		
27	427 Interest on Bonds and Notes		
28	428 Amortization of Debt Discount and Expense		
29	429 Amortization of Premium on Debt - Credit		
30	431 Other Interest Expense 432 Interest: Charged to Construction - Credit		
31 32	Total Interest Charges	NONE	NONE
33	NET INCOME	#VALUE!	
33	EARNED SURPLUS	#VALUE!	#VALUE
Line	Account	Debits	Credits
No.	(a)	(b)	(c)
34	208 Unappropriated Earned Surplus (at beginning of period)		22,406,280.21
35			,,
36			
37	433 Balance Transferred from Income		#VALUE!
38	434 Miscellaneous Credits to Surplus (P. 21)		142,445.44
39	435 Miscellaneous Debits to Surplus (P. 21)		
40	436 Appropriations of Surplus (P. 21)	336,182.93	
41	437 Surplus Applied to Depreciation		
42	208 Unappropriated Earned Surplus (at end of period)	23,475,708.30	
43			
44	TOTALS	23,811,891.23	#VALUE

	CASH BALANCES AT END OF YEAR		i age i+
Lina			Amount
Line	Items		
No.	(a)		(b)
'	Operation Fund		3,981,542.49
1	Interest Fund		
Ι.	Bond Fund		04 400 05
4	Construction Fund		24,188.95
5			
6			
8			
9			
10			
11			1 005 704 44
12		TOTAL	4,005,731.44
MATE	RIALS AND SUPPLIES (Accounts 151-159, 163)		
	Summary per Balance Sheet		
		Amount End of	
Line	Account	Electric	Gas
No.	(a)	(b)	(c)
1	Fuel (Account 151) (See Schedule, Page 25)	29,113.61	
1	Fuel Stock Expenses (Account 152)		
1	Residuals (Account 153)		
1	Plant Materials and Operating Supplies (Account 154 (151))	54,865.85	
1	Merchandise (Account 155)		
	Other Materials and Supplies (Account 156)		
1	Nuclear Fuel Assemblies and Components - In Reactor (Account 157)		
20	Nuclear Fuel Assemblies and Components - Stock Account (Account 158)		
1	Nuclear Byproduct Materials (Account 159)		
1	Stores Expense (Account 163)		
23	Total Per Balance Sheet	83,979.46	
	PRECIATION FUND ACCOUNT (Account 126)		
Line			Amount
No.	(a)		(b)
24	DEBITS		
1	Balance of account at beginning of year		3,625,527.97
1	Income during year from balance on deposit (interest)		14,007.00
1	Amount transferred from income (depreciation)		1,349,473.16
l	Adjustment: Accounts Payable 12/31/12		55,982.65
1	Y/E Transfer From Operating Cash/Smart Mtr Grant Reimburse		601,596.61
30		TOTAL	5,646,587.39
	CREDITS		
1	Amount expended for construction purposes (Sec. 57,C.164 of	G.L.)	0.00
1	Amounts expended for renewals,viz:-		1,685,023.53
1	Adjustment: Accounts Payable 12/31/11		42,792.50
35			
36			
37			
38			
39			
1	Balance on hand at end of year		3,918,771.36
41		TOTAL	5,646,587.39

- Report below the cost of utility plant in service according to prescribed accounts
- 2. Do not include as adjustments, corrections of additions and retirements for the current or the

UTILITY PLANT - ELECTRIC

preceding year. Such items should be included in column (c).

- 3 . Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative
- effect of such amounts.
- 4. Reclassifications or transfers within utility plant accounts should be shown in column (f).

۹ ۹	additions and retirements for the current of the enclosed in parentheses to indicate the negative						
		Balance				Adjustments	Balance
Line	Account	Beginning of Year	Additions	Depreciation	Other Credits	Transfers	End of Year
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	INTANGIBLE PLANT						
2	303 Misc Intangible Plant Transmission	729,972.06		116,380.15		2.64	
3							613,594.55
4		729,972.06	0.00	116,380.15	0.00	2.64	613,594.55
5	2. PRODUCTION PLANT						
6	A. Steam Production						
7	310 Land and Land Rights						
8	311 Structures and Improvements						
9	312 Boiler Plant Equipment						
10	313 Engines and Engine Driven Generators						
11	314 Turbogenerator Units						
12	315 Accessory Electric Equipment						
13	316 Miscellaneous Power Plant Equipment						
15	Total Steam Production Plant	0.00	0.00	0.00	0.00	0.00	0.00
16	B. Nuclear Production Plant						
17	320 Land and Land Rights						
18	321 Structures and Improvements						
19	322 Reactor Plant Equipment						
20	323 Turbogenerator Units						
21	324 Accessory Electric Equipment						
22	325 Miscellaneous Power Plant Equipment						
23	Total Nuclear Production Plant	0.00	0.00	0.00	0.00	0.00	0.00
						· · · · · · · · · · · · · · · · · · ·	

	·	UTILITY PLANT	- ELECTRIC	(Continued)			•
		Balance				Adjustments	Balance
Line	Account	Beginning of Year	Additions	Depreciation	Other Credits	Transfers	End of Year
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	C. Hydraulic Production Plant		• •	•	, ,		
2	330 Land and Land Rights						
3	331 Structures and Improvements						
4	332 Reservoirs, Dams and Waterways						
5	333 Water Wheels, Turbines and Generators						
6	334 Accessory Electric Equipment						
7	335 Miscellaneous Power Plant Equipment						
8	336 Roads, Railroads and Bridges						
9	Total Hydraulic Production Plant	0.00	0.00	0.00	0.00	0.00	0.00
10	D. Other Production Plant						
11	340 Land and Land Rights	10,696.49					10,696.49
12	341 Structures and Improvements	0.00		1.27		1.27	0.00
13	342 Fuel Holders, Producers and Accessories	7,116.29		3,108.23		(1.75)	4,006.31
14	343 Prime Movers	118,121.16		20,300.71		0.88	97,821.33
15	344 Generators	242.47	601.70	845.97		1.80	0.00
16	345 Accessory Electric Equipment						
17	346 Miscellaneous Power Plant Equipment						
18	Total Other Production Plant	136,176.41	601.70	24,256.18	0.00	2.20	112,524.13
19	Total Production Plant	136,176.41	601.70	24,256.18	0.00	2.20	112,524.13
20	Transmission Plant						
21	350 Land and Land Rights	40,900.00					40,900.00
22	351 Clearing Land and Rights of Way	1,851.50					1,851.50
23	352 Structures and Improvements	8,090.59		2,142.48		2.45	5,950.56
24	353 Station Equipment	2,070.11		1,799.95		(2.01)	268.15
25	354 Towers and Fixtures	45.76		12.04		1.16	34.88
26	355 Poles and Fixtures	6,074.22		2,758.72		(1.77)	3,313.73
27	356 Overhead Conductors and Devices	178,985.97	0.00	21,278.51		2.17	157,709.63
28	357 Underground Conduit	265,575.99		35,343.66		(0.31)	230,232.02
29	358 Underground Conductors and Devices	119,888.49		14,508.54		(2.57)	105,377.38
30	359 Roads and Trails						
31	Total Transmission Plant	623,482.63	0.00	77,843.90	0.00	(0.88)	545,637.85

	UTILITY PLANT ELECTRIC (Continued)						
Line		Balance			Other	Adjustments	Balance
No.	Account	Beginning of Year	Additions	Depreciation	Credits	Transfers	End of Year
	(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	4. DISTRIBUTION PLANT						
2	360 Land and Land Rights	500.00					500.00
3	361 Structures and Improvements	758,762.84		52,048.57		2,036.62	708,750.89
4	362 Station Equipment	3,033,203.61	13,815.60	254,629.13		(220.10)	2,792,169.98
5	363 Storage Battery Equipment	20,988.40		2,248.90		(0.53)	18,738.97
6	364 Poles Towers and Fixtures	539,222.07	90,573.21	114,261.89		(225.50)	515,307.89
7	365 Overhead Conductors and Devices	2,120,286.20	136,167.12	162,967.85		1,232.79	2,094,718.26
8	366 Underground Conduit	1,307,975.09	12,219.12	134,643.63		50.75	1,185,601.33
9	367 Underground Conductors and Devices	1,098,071.93	18,650.19	112,595.51		516.00	1,004,642.61
10	368 Line Transformers	682,687.94	140,798.01	61,886.27		(0.87)	761,598.81
11	369 Services	292,769.96	29,539.92	25,802.41		22,897.52	319,404.99
12	370 Meters	1,661,924.26	1,175,195.33	98,925.32		(22,444.75)	2,715,749.52
13	371 Installations on Customer's Premises	29,056.20		3,910.19		(13,925.69)	11,220.32
14	372 Leased Prop on Customer's Premises						
15	373 Streetlight and Signal Systems	88,056.46	11,806.97	21,957.57		13,476.19	91,382.05
16	Total Distribution Plant	11,633,504.96	1,628,765.47	1,045,877.24	0.00	3,392.43	12,219,785.62
17	5. GENERAL PLANT						
18	389 Land and Land Rights						
19	390 Structures and Improvements	0.00					0.00
20	391 Office Furniture and Equipment	0.00	7,568.22	7,568.22			0.00
21	392 Transportation Equipment	159,508.77	22,023.00	67,080.94		0.39	114,451.22
22	393 Stores Equipment						
23	394 Tools, Shop and Garage Equipment						
24	395 Laboratory Equipment						
25	396 Power Operated Equipment						
26	397 Communication Equipment	0.00	34,393.79	10,466.53			23,927.26
27	398 Miscellaneous Equipment						
28	399 Other Tangible Property						
29	Total General Plant	159,508.77	63,985.01	85,115.69	0.00	0.39	138,378.48
30	Total Electric Plant in Service	13,282,644.83	1,693,352.18	1,349,473.16	0.00	3,396.78	13,629,920.63
31	104 Utility Plant Leased to Others						
32	105 Property Held for Future Use						
33	107 Construction Work in Progress	0.00					0.00
34	Total Utility Plant Electric	13,282,644.83	1,693,352.18	1,349,473.16	0.00	3,396.78	13,629,920.63

Page 18	Next page is 21	Annual Report of the	Town of Marblehea	ad	Year Ended Dec	ember 31, 2012
		PRODUCTION FUEL	AND OIL STOCKS	S (Included in Acco	ount 151)	
			Except Nuclear Mat			
		1. Report below the	information called f	or concerning prod	duction fuel and oil st	ocks.
		2. Show quantities in	tons of 2,000 lbs.,	gal., or Mcf., whic	hever unit of quantity	is applicable.
		3. Each kind of coal	or oil should be sho	own separately.		
		4. Show gas and ele	ctric fuels separate	ly by specific use.		
				Kinds of Fuel ar	nd Oil	
		Total				
Line	Item	Cost	Quantity	Cost	Quantity	Cost
No.	(a)	(b)	(c)	(d)	(e)	(f)
1	On Hand Beginning of Year	33,159.63	11,263.99			
2	Received During Year	13,778.76	4,003.00			
3	TOTAL	46,938.39	15,266.99			
4	Used During Year (Note A)					
5	For Heating	12,519.96	4,319.00			
6	For Generation	5,304.82	1,830.00			
7						
8						
9						
10						
11	Sold or Transferred					
12	TOTAL DISPOSED OF	17,824.78	6,149.00			
13	BALANCE END OF YEAR	29,113.61	9,117.99			
				Kinds of Fuel ar	nd Oil - continued	
Line	Item		Quantity	Cost	Quantity	Cost
No.	(g)		(h)	(i)	(j)	(k)
14	On Hand Beginning of Year					
15	Received During Year					
16	TOTAL					
17	Used During Year (Note A)					
18						
19						
20						
21						
22						
23						
24	Sold or Transferred					
25	TOTAL DISPOSED OF					
26	BALANCE END OF YEAR					

26 | BALANCE END OF YEAR | Note A -- Indicate specific purpose for which used, e.g., Boiler Oil, Make Oil, Generator Fuel, etc.

	MISCELLANEOUS NONOPERATING INCOME (Account 421)		
Line	Item		Amount
No	(a)		(b)
1	· · · · · · · · · · · · · · · · · · ·		()
3			
4			
5			
		TOTAL	0.00
6		TOTAL	0.00
	OTHER INCOME DEDUCTIONS (Account 426)		
Line	Item		Amount
No.	(a)		(b)
7			
8			
9			
10			
11			
12			
13			
14		TOTAL	0.00
14		IUIAL	0.00
	MISCELLANEOUS CREDITS TO SURPLUS (Account 434)		
Line	Item		Amount
No.	(a)		(b)
15			
16	Auditor's adjusting entries for year ended December 2011		142,445.44
17			
18			
19			
20			
21			
22			
23		TOTAL	142,445.44
		IOIAL	142,443.44
	MISCELLANEOUS DEBITS TO SURPLUS (Account 435)		
Line	Item		Amount
No.	(a)		(b)
24			
25			
26			
27			
28			
29			
30			
31			
32		TOTAL	
- OZ	APPROPRIATIONS OF SURPLUS (Account 436)	IOIAL	
Lina	Item	1	Amount
Line			Amount
No.	(a)		(b)
	March 2012 Commission voted Net Surplus Revenue - Town of Marblehea	ıa	330,000.00
	March 2012 Commission voted In-Lieu of Tax Payment - Town of Salem		6,182.93
35			
36			
37			
38			
39			
40		TOTAL	336,182.93

MUNICIPAL REVENUES (Account 482,444)

(K.W.H. Sold under the provision of Chapter 269, Acts of 1927)

1	A = =4	Can Cahadula		Cubia Faat	Revenue	Average Revenue
Line	Acct.	Gas Schedule		Cubic Feet	Received	Per MCF (cents)
No.	No.	(a)		(b)	(c)	(0.0000)
						(d)
1		Not Applicable				
2 3						
4			TOTALS			
					Revenue	Average Revenue
		Electric Schedule		K.W.H.	Received	Per KWH (cents)
		(a)		(b)	(c)	(0.0000)
						(d)
5						
6 7	444	Municipal		5,467,000	711,488.95	0.1301
7						
8 9						
9		Street Lighting		880,110	117,166.33	0.1331
10						
11						
12			TOTALS	6,347,110	828,655.28	0.1306
13						
14						
15						
16						
17						
18			TOTALS	0	0.00	
19			TOTALS	6,347,110	828,655.28	0.1306

PURCHASED POWER (Account 555)

	Names of Utilities				Cost per KWH
Line	from Which Electric	Where and at What	K.W.H	Amount	(cents)
No.	Energy is Purchased	Voltage Received			(0.0000)
	(a)	(b)	(c)	(d)	(e)
20	See Pages 54 & 55				
21					
22					
23					
24					
25					
26					
27					
28					
29		TOTALS	0	0.00	

SALES FOR RESALE (Account 447)

Line No.	Names of Utilities to Which Electric Energy is sold (a)	Where and at What Voltage Delivered (b)	K.W.H (c)	Amount (d)	Revenue per KWH (cents) (0.0000) (e)
30	See Pages 52 & 53				
31					
32					
33					
34					
35					
36					
37					
38					
39		TOTALS	0	0.00	

- Report below the amount of operating revenue for the year for each prescribed account and the amount of increase or decrease over the preceding year.
- 2. If increases and decreases are not derived from previously reported figures, explain any inconsistencies.
- Number of customers should be reported on the basis of meters, plus number of late rate accounts except where separate

ELECTRIC OPERATING REVENUES (Account 400)

meter readings are added for billing purposes, one customer shall be counted for each group of meters so added. The average number of customers means the average of the 12 figures at the close of each month. If the customer count in the residential service classification includes customers counted more than once because of special services, such as water heating, etc., indicate in a footnote the number of such duplicate customers included in the classification.

- 4. Unmetered sales should be included below. The details of such sales should be given in a footnote.
- 5. Classification on Commercial and Industrial Sales, Account 442, Large (or Industrial) may be according to the basis of classification regularly used by the respondent if such basis of classification is not greater than 1000 KW. See Account 442 of the Uniform System of Accounts. Explain basis of Classification

meters, p	nus number of late rate accounts except where separate	Operating Reve	enues	Kilowatt-hours Sold		Average Numbers per	
			Increase or		Increase or	,	Increase or
		Amount for	(Decrease) from	Amount for	(Decrease) from	Number for	(Decrease) from
Line	Account	Year	Preceding Year	Year	Preceding Year	Year	Preceding Year
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	SALES OF ELECTRICITY						
	449 Miscellaneous Electric Sales	0.00	0.00	0	0	0	
2	440 Residential Sales	10,513,913.45	(126,852.97)	73,648,331	(545,440)	8,780	39
	Storage Heat	9,811.33	(1,429.15)	95,521	(15,602)	8	(1)
3	442 Commercial and Industrial Sales						
4	Small Commercial B Sales	1,523,213.03	(30,070.19)	9,844,706	(100,202)	1,195	6
5	Large Commercial C Sales	1,823,643.34	(22,774.47)	14,619,796	(150,214)	55	(5)
6	444 Municipal Sales	711,488.95	(37,775.19)	5,467,000	(233,653)	110	0
7	Private Area Lights	28,847.01	(80.48)	146,340	32	629	(5)
8	Hot Water	38,117.98	(1,339.44)	321,656	(11,727)	128	(5) (6) 0
9	Off Peak	571.98	(128.82)	3,705	(875)	1	0
10	Street Lighting	117,166.33	(1,316.95)	880,110	(8,362)	1	0
11	Total Sales to Ultimate Consumers	14,766,773.40	(221,767.66)	105,027,165	(1,066,043)	10,907	28
12	447 Sales for Resale	0.00	0.00	0	0	1	0
13	Total Sales of Electricity	14,766,773.40	(221,767.66)	105,027,165	(1,066,043)	10,908	28
14	OTHER OPERATING REVENUES						
15	449-1 Provision For Rate Stabilization	0.00	0.00				
16	451 Miscellaneous Service Revenues	49,581.08	(26,199.84)		* Includes revenue	s from	
17	453 Sales of Water and Water Power				application of fuel	clauses \$	(276,704.22)
18	454 Rent from Electric Property						
19	455 Interdepartmental Rents						
20	456 Other Electric Revenues				Total KWH to which	n applied	104,147,055
21							
22							
23							
24							
25	Total Other Operating Revenues	49,581.08	(26,199.84)				
26	Total Electric Operating Revenue	14,816,354.48	(247,967.50)				

SALES OF ELECTRICITY TO ULTIMATE CONSUMERS

Report by account number the K.W.H. sold, the amount derived and the number of customers under each filed schedule

or contract. Municipal sales, contract sales and unbilled sales may be reported separately in total.

Or COITE	ot. Mariioipai saic	es, contract sales and unbilled sales may	De reported departatory in	oran.	Average		
		2		_	Revenue	Number of C	
Line	Account	Schedule	K.W.H.	Revenue	per KWH	(per Bills re	
No.	No.	(a)	(b)	(c)	(cents)	July 31	Dec 31
					(0.0000) (d)	(e)	(f)
1	4	Residential	73,648,331	10,513,913.45	0.1428	8,796	8,763
2		Storage Heat	95,521	9,811.33	0.1027	7	8
3	5	Commercial	9,844,706	1,523,213.03	0.1547	1,193	1,196
4	6	Industrial	14,619,796	1,823,643.34	0.1247	53	57
5		Private Area St Lighting	146,340	28,847.01	0.1971	630	628
6		Hot Water	321,656	38,117.98	0.1185	130	125
7	3	Off Peak	3,705	571.98	0.1544	1	1
8	M	Municipal	5,467,000	711,488.95	0.1301	110	110
9	SL	Street Lighting	880,110	117,166.33	0.1331	1	1
10							
11							
12							
13							
14 15							
16							
17							
18							
19							
20							
	TOTAL SAI	LES TO ULTIMATE	-				
		ERS (page 37 Line 11)	105,027,165	14,766,773.40	0.1406	10,921	10,889
ш		(13		,,		-,	-,

ELECTRIC OPERATION AND MAINTENANCE EXPENSES

- 1. Enter in the space proved the operation and maintenance expenses for the year

	2. If the increases and decreases are not derived from previous	ously reported figures, explair	in footnote
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	POWER PRODUCTION EXPENSES		
2	STEAM POWER GENERATION		
3	Operation:		
4	500 Operation supervision and engineering		
5	501 Fuel		
6	502 Steam Expenses		
7	503 Steam from other sources		
8	504 Steam transferred Cr.		
9	505 Electric expenses		
10	506 Miscellaneous steam power expenses		
11	507 Rents		
12	Total Operation	0.00	0.00
13	Maintenance:		
14	510 Maintenance supervision and engineering		
15	511 Maintenance of Structures		
16	512 Maintenance of boiler plant		
17	513 Maintenance of electric plant		
18	514 Maintenance of miscellaneous steam plant		
19	Total Maintenance	0.00	0.00
20	Total power production expenses -steam power	0.00	0.00
21	NUCLEAR POWER GENERATION		
22	Operation:		
23	517 Operation supervision and engineering		
24	518 Fuel		
25	519 Coolants and water		
26	520 Steam Expenses		
27	521 Steam from other sources		
28	522 Steam transferred Cr.		
29	523 Electric expenses		
30	524 Miscellaneous nuclear power expenses		
31	525 Rents		
32	Total Operation	0.00	0.00
33	Maintenance:		
34	528 Maintenance supervision and engineering		
35	529 Maintenance of Structures		
36	530 Maintenance of reactor plant		
37	531 Maintenance of electric plant		
38	532 Maintenance of miscellaneous nuclear plant		
39	Total Maintenance	0.00	0.00
40	Total power production expenses -nuclear power	0.00	0.00
41	HYDRAULIC POWER GENERATION		
42	Operation:		
43	535 Operation supervision and engineering		
44	536 Water for power		
45	537 Hydraulic expenses		
46	538 Electric expenses		
47	539 Miscellaneous hydraulic power generation expenses		
48	540 Rents		
49	Total Operation	0.00	0.00
49	Total Operation	0.00	

Annua	•	ear Ended December 31, 2012	Page 40
	ELECTRIC OPERATION AND MAINTENANCE EXPENS	ES - Continued	
			Increase or
Line	Account	Amount for Year	(Decrease) from
No.	(a)	(b)	Preceding Year
			(c)
1	HYDRAULIC POWER GENERATION - Continued		
2	Maintenance:		
3	541 Maintenance Supervision and engineering		
4	542 Maintenance of structures		
5	543 Maintenance or reservoirs, dams and waterways		
6	544 Maintenance of electric plant		
7	545 Maintenance of miscellaneous hydraulic plant		
8	Total maintenance	NONE	NONE
9	Total power production expenses - hydraulic power	NONE	NONE
10	OTHER POWER GENERATION		
11	Operation:		
12	546 Operation supervision and engineering		
13	547 Fuel	4,046.32	3,676.05
14	548 Generation Expenses	334.46	(1,302.08)
15	549 Miscellaneous other power generation expense	1,816.54	(131.05)
16	550 Rents	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(/
17	Total Operation	6,197.32	2,242.92
18	Maintenance:	5,13132	_,,
19	551 Maintenance supervision and engineering		
20	552 Maintenance of Structures		
21	553 Maintenance of generating and electric plant		
22	554 Maintenance of miscellaneous other power generation plan	t 48,386.58	(29,826.91)
23	Total Maintenance	48,386.58	(29,826.91)
24	Total power production expenses - other power	54,583.90	(27,583.99)
25	OTHER POWER SUPPLY EXPENSES	01,000.00	(27,000.00)
26	555 Purchased power	7,397,271.69	(543,142.21)
27	556 System control and load dispatching	7,007,271.00	(343, 142.21)
28	557 Other expenses	1,702,834.81	172,079.70
29	Total other power supply expenses	9,100,106.50	(371,062.51)
30	Total power production expenses	#VALUE!	(398,646.50)
31	TRANSMISSION EXPENSES	#VALUE:	(330,040.30)
32	Operation:		
33	560 Operation supervision and engineering		
34	561 Load dispatching		
35	562 Station expenses		
36	563 Overhead line expenses		
37	564 Underground line expenses		
38	565 Transmission of electricity by others		
39	566 Miscellaneous transmission expenses		
40	567 Rents		
41	Total Operation	NONE	NONE
42	Maintenance:	IVOINE	NONE
43	568 Maintenance supervision and engineering		
44	569 Maintenance of structures		
45	570 Maintenance of station equipment		
46	571 Maintenance of overhead lines	252.00	252.00
47	572 Maintenance of underground lines	252.00	232.00
48	573 Maintenance of miscellaneous transmission plant		
49	Total maintenance	252.00	252.00
50	Total transmission expenses	#VALUE!	#VALUE!
50	וטנמו נומווסטוטוו באףכווסכס	#VALUE!	#VALUE!

, u.i.iaa	ELECTRIC OPERATION AND MAINTENANCE EXPENSES - 0	Continued	raye 41
	ELECTRIC OF ENGLISHMENT HINTING ENGLISH		Increase or
Line	Account	Amount for Year	(Decrease) from
1			, ,
No.	(a)	(b)	Preceding Year
			(c)
1	DISTRIBUTION EXPENSES		
2	Operation:		
3	580 Operation supervision and engineering		
4	581 Load dispatching (Operation Labor)		
5	582 Station expenses	62,883.61	(7,377.28)
6	583 Overhead line expenses	· ·	,
7	584 Underground line expenses		
8	585 Street lighting and signal system expenses	1,773.96	(890.50)
9	586 Meter expenses	63,349.82	(6,432.77)
10	587 Customer installations expenses		(10,233.95)
I I	·	32,152.19	
11	588 Miscellaneous distribution expenses	78,645.30	(66,742.45)
12	589 Rents		
13	Total operation	238,804.88	(91,676.95)
14	Maintenance:		
15	590 Maintenance supervision and engineering		
16	591 Maintenance of structures	0.00	-
17	592 Maintenance of station equipment	48,752.77	12,874.36
18	593 Maintenance of overhead lines	693,870.81	97,249.99
19	594 Maintenance of underground lines	87,775.39	6,168.54
20	595 Maintenance of line transformers	7,727.41	3,052.33
21		1,121.41	3,032.33
1	596 Maintenance of street lighting and signal systems	1 756 06	(427.04)
22	597 Maintenance of meters	1,756.06	(137.91)
23	598 Maintenance of miscellaneous distribution plant		
24	Total maintenance	839,882.44	119,207.31
25	Total distribution expenses	1,078,687.32	27,530.36
26	CUSTOMER ACCOUNTS EXPENSES		
27	Operation:		
28	901 Supervision	100,063.73	1,074.83
29	902 Meter reading expenses	78,607.28	(28,987.81)
30	903 Customer records and collection expenses	282,589.10	11,601.91
31	904 Uncollectible accounts	32,000.00	(33,000.00)
32	905 Miscellaneous customer accounts expenses	170.59	17.28
33	•	493,430.70	(49,293.79)
1	Total customer accounts expenses	493,430.70	(49,293.79)
34	SALES EXPENSES		
35	Operation:		
36	911 Supervision		
37	912 Demonstrating and selling expenses		
38	913 Advertising expenses	137,043.24	(34,973.09)
39	916 Miscellaneous sales expenses		
40	Total sales expenses	137,043.24	(34,973.09)
41	ADMINISTRATIVE AND GENERAL EXPENSES		,
42	Operation:		
43	920 Administrative and general salaries	135,601.46	(70,403.43)
44	921 Office supplies and expenses	227,591.39	42,231.79
45		221,081.09	42,231.19
1	922 Administrative expenses transferred - Cr	E0.750.00	00.050.00
46	923 Outside services employed	56,756.28	28,356.28
47	924 Property insurance	35,436.07	1,526.57
48	925 Injuries and damages	702.26	36.49
49	926 Employee pensions and benefits	1,053,193.35	(168,183.95)
50	928 Regulatory commission expenses		
51	929 Store Expense		
52	930 Miscellaneous general expenses	51,715.07	10,151.45
53	931 Rents	, , , ,	,
54	Total operation	1,560,995.88	(156,284.80)
	.o.a. opolation	1,000,000.00	(100,204.00)

	ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued									
		Amount	Increase or							
Line	Account	for Year	(Decrease) from							
No.	(a)	(b)	Preceding Year							
			(c)							
1	ADMINISTRATIVE AND GENERAL EXPENSES - Cont.									
2	Maintenance:									
3	932 Maintenance of general plant	48,224.18	11,271.85							
4	933 Transportation	84,501.01	14,090.39							
5	Total Maintenance	132,725.19	25,362.24							
6	Total Administrative and General Expenses	1,693,721.07	(130,922.56)							
7	Total Electric Operation and Maintenance Expenses	#VALUE!	#VALUE!							

SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES

Line	Functional Classification	Operation	Maintenance	Total
No.	(a)	(a) (b)		(d)
8	Power Production Expenses			
9	Electric Generation:			
10	Steam Power:			
11	Nuclear Power			
12	Hydraulic Power			
13	Other Power	6,197.32	48,386.58	54,583.90
14	Other Power Supply Expenses	9,100,106.50		9,100,106.50
15	Total Power Production Expenses	9,106,303.82	48,386.58	9,154,690.40
16	Transmission Expenses		252.00	252.00
17	Distribution Expenses	238,804.88	839,882.44	1,078,687.32
18	Customer Accounts Expenses	493,430.70		#VALUE!
19	Sales Expenses	137,043.24		#VALUE!
20	Administrative and General Expenses	1,560,995.88	132,725.19	1,693,721.07
21	Power Production Expenses	2,430,274.70	972,859.63	3,403,134.33
22	Total Electric Operation & Maint	11,536,578.52	1,021,246.21	#VALUE!

23 Ratio of operating expenses to operating revenues (carry out decimal two places, (e.g., 0.00%)

Compute by dividing Revenues (Acct 400) into the sum of Operation and Maintenance Expenses (Page 42, line 22 (d), Depreciation (Acct 403) and Amortization (Acct 407)

#VALUE!

24 Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts.

2,066,281.59

25 Total number of employees of electric department at end of year including administrative, operating, maintenance, construction and other employees (including part-time employees)

24

- 1. This schedule is intended to give the account distribution of total taxes charged to operations and other final accounts during the year.
- Do not include gasoline and other sales taxes which have been charged to accounts to which the material on which the tax was levied which the tax was levied was charged. If the actual or estimated amounts of such taxes are known, they should be shown as a footnote and designated whether estimated or actual amounts

TAXES CHARGED DURING THE YEAR

- The aggregate of each kind of tax should be listed under the appropriate heading of "Federal", "State" and "Local" in such manner that the total tax for each State and for all subdivisions can be readily ascertained.
- 4. The accounts to which the taxes charged were distributed should be shown in columns (c) to (h). Show both the utility department and number of account charged. For taxes charged to utility plant show the number of the appropriate balance sheet plant account or subaccount.
- For any tax which it was necessary to apportion more than one utility department account, state in a footnote the basis of apportioning such tax.
- 6. Do not include in this schedule entries with respect to deferred income taxes, or taxes collected through payroll deductions or otherwise pending transmittal of such taxes to the taxing authority.

acoignat	filated whether estimated of actual amounts		the appropriate balance sheet plant account of subaccount.			or such taxes to the taxing authority.			
		Total Taxes							
		Charged							
Line	Kind of Tax	During Year	Electric	Gas					
1									
No.	(a)	(omit cents)	Acct 408,409	Acct 408,409					
		(b) 104,480.00	(c) 241000	(d)	(e)	(f)	(g)	(h)	(i)
1	Massachusetts Sales Tax	104,480.00	241000						
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
1									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28		s 104,480.00							
	l					1			

	OTHER UTILITY OPERATING INCOME (Account 414) Report below the particulars called for in each column									
	Report below the p	particulars called f	or in each column							
		A	A	Amount	Gain or					
Lina	Dramanti	Amount of	Amount of	of Operating	(Loss) from					
Line	Property	Investment	Department	Expenses	Operation					
No.	(a)	(b)	(c)	(d)	(e)					
2 3	IN/A									
4										
5										
4 5 6 7										
7										
8 9										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18 19										
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26 27										
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31										
32 33										
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35										
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37										
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39										
40										
41										
42										
43										
44										
45										
46 47										
48										
49										
50										
51	TOTALS									
	I TOTALS									

INCOME FROM MERCHANDISE, JOBBING, AND CONTRACT WORK (Account 415) Report by utility departments the revenue, costs, expenses, and net income from merchandising, jobbing,

and contract work during the year. Electric Gas Other Utility Line Item Department Department Department Total No. (d) (a) (b) (c) (e) 1 Revenues: N/A 2 Merchandise sales, less discounts, 3 allowances and returns 4 Contract work 5 Commissions Other (list according to major classes) 7 8 9 10 0.00 0.00 0.00 0.00 **Total Revenues** 11 12 13 Costs and Expenses: Cost of sales (list according to major 14 15 classes of cost) 16 17 Materials 18 Outside Service Labor 19 20 21 22 23 24 25 26 Sales Expenses 27 Customer accounts expenses 28 Administrative and general expenses 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 TOTAL COSTS AND EXPENSES 0.00 0.00 0.00 0.00 51 0.00 Net Profit (or loss) 0.00 0.00 0.00

SALES FOR RESALE (Account 447)

- Report sales during year to other electric utilities and to cities or other public authorities for distribution to ultimate consumers.
- Provide subheadings and classify sales as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Municipalities,
 R.E.A. Cooperatives, and (5) Other Public Authorities.
 For each sale designate statistical classification in column (b) thus: firm power, FP; dump or surplus power, DP; other, G,
- and place and "x" in column (c) if sale involves export across a state line.
- 3. Report separately firm, dump, and other power sold to the same utility. Describe the nature of any sales classified as Other Power, column (b).
- 4. If delivery is made at a substation indicate ownership in column (e), thus: respondent owned or leased, RS; customer owned or leased, CS.

			Export			Kw or Kva of Demand		
			Across				Avg mo.	Annual
		Statistical	State		Sub	Contract	Maximum	Maximum
Line	Sales to:	Classification	Line	Point of Delivery		Demand	Demand	Demand
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
	NONE							
2 3								
3								
4								
5								
6								
7								
8 9								
10 11								
11								
13								
14								
15								
16								
17								
18								
19								
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21								
22								
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26 27								
28								
28 29								
30								
31								
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34								
35								
36								
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38								
39								
40								
41								
42								

SALES FOR RESALE (Account 447) - Continued

5. If a fixed number of kilowatts of maximum demand is specified in the power contract as a basis of billings to the customer this number should be shown in column (f). The number of kilowatts of maximum demand to be shown in column (g) and (h) should be actual based on monthly readings and should be furnished whether or not used in the determination of demand charges. Show in column (i) type of demand reading (instantaneous, 15, 30, or 60 minutes

integrated).

- 6. The number of kilowatt-hours sold should be the quantities shown by the bills rendered to the purchasers
- 7. Explain any amounts entered in column (n) such as fuel or other adjustments.
- 8. If a contract covers several points of delivery and small amounts of electric energy are delivered at each point, such sales may be grouped.

			Revenue					
Type of	Voltage		per kwh					
Demand	at Which	Kilowatt-	Capacity	Energy	Other		(CENTS)	
Reading	Delivered	Hours	Charges	Charges	Charges	Total	(0.0000)	Line
(i)	(j)	(k)	(I)	(m)	(n)	(0)	(p)	No.
		0	0.00			0.00	N/A	1
								2
								3
								4
								5
								6
								2 3 4 5 6 7 8
								9
								10 11
								12
								13
								14
								15
								16
								17
								18
								19
								20
								21
								22
								23
								24
								25
								26
								27
								28 29
								30
								31
								32
								33
								34
								35
								36
								37
								38
								39
								40
								41
	TOTALS:	0	0.00	0.00		0.00		42

PURCHASED POWER (Account 555) (EXCEPT INTERCHANGE POWER)

- Report power purchased for resale during the year.
 Exclude from this schedule and report on page 56 particulars concerning interchange power transactions during the year.
- 2. Provide subheadings and classify purchases as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Associated Nonutilities, (4) Other Nonutilities, (5) Municipalities, (6) R.E.A Cooperatives, and (7) Other Public
- Authorities. For each purchase designate statistical classification in column (b), thus: firm power, FP; dump or surplus power, DP; other, O, and place an "x" in column (c) if purchase involves import across a state line.
- 3. Report separately firm, dump, and other power purchased from the same company. Describe the nature of any purchases classified as Other Power, column (b).

						Kw	or Kva of De	
			Across				Avg mo.	Annual
		Statistical	State		Sub	Contract	Maximum	Maximum
Line	Purchased from	Classification	Line	Point of Receipt	Station		Demand	Demand
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
	MMWEC:							
	New York Power Authority	FP	X	TOWN LINE		1458		
	Stonybrook Peaking	0		TOWN LINE		2716		
	Stonybrook Intermediate	0		TOWN LINE		9206		
	Nuclear Mix 1	0	X	TOWN LINE		749		
6	Nuclear Project 3 (Millstone)	0	X	TOWN LINE		1086		
7	Nuclear Project 4 (Seabrook)	0	X	TOWN LINE		1320		
8	Nuclear Project 5 (Seabrook)	0	X	TOWN LINE		163		
9	W. F. Wyman	0	X	TOWN LINE		1730		
10	Hydro Quebec	0	X	TOWN LINE				
11	System Power	DP		TOWN LINE				
12								
13								
14								
15								
16								
17								
18	Subtotal MMWEC							
19	Berkshire Wind Power Coop							
20	·							
21								
22								
23								
24								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
41								
42								
_ 72								

PURCHASED POWER (Account 555) (EXCEPT INTERCHANGE POWER)

- If receipt of power is at a substation indicate ownership in column (e), thus: respondent owned or leased, RS; seller owned or leased, SS.
- 5. If a fixed number of kilowatts of maximum demand is specified in the power contract as a basis of billing, this number should be shown in column (f). The number of kilowatts of maximum demand to be shown in columns (g) and (h) should be actual based on monthly readings and
- should be furnished whether or not used in the determination of demand charges. Show in column (i) type of demand reading (instantaneous, 15, 30, or 60 minutes integrated).
- 6. The number of kilowatt hours purchased should be the quantities shown by the power bills.
- 7. Explain any amount entered in column (n) such as fuel or other adjustments.

(ii) endud be detadi based		, , , , , , , , , , , , , , , , , , ,						
Type of Voltage Cost of Energy (Omit Cents)							KWH	
Demand	at Which	Kilowatt-	Capacity	Energy	Other		(CENTS)	
Reading	Delivered	Hours	Charges	Charges	Charges	Total	(0.0000)	Line
(i)	(j)	(k)	(I)	(m)	(n) **	(0)	(p)	No.
60 Minutes	22,900	8,478,662				216 902 96	<u></u> የሰ ሰንደና	1
60 Minutes	22,900	44,913				216,803.86 74,449.02	\$0.0256 \$1.6576	3
60 Minutes	22,900	3,347,519				74,449.02	\$0.2095	4
60 Minutes	22,900	6,948,064				735,006.38	\$0.2093	5
60 Minutes	22,900	10,152,658				974,896.98	\$0.0960	6
60 Minutes	22,900	9,402,644				1,119,974.31	\$0.1191	7
60 Minutes	22,900	1,159,269				145,998.13	\$0.1259	8
60 Minutes	22,900	108,317				112,255.15	\$1.0364	9
60 Minutes	22,900	,				54,665.65	N/A	
60 Minutes	22,900	45,185,299				2,874,654.40	\$0.0636	11
								12
								13
								14
								15
								16
		04 007 045	0.00	0.00	0.00	7 040 407 40	#0.000	17
60 Minutes	22,900	84,827,345 3,204,438	0.00	0.00	0.00	7,010,137.16 381,954.95	\$0.0826	18 19
oo wiiilates	22,900	3,204,436				361,934.93		20
								21
								22
								23
								24
								30
								31
								32
								33
								34
								35
								36 37
								38
								39
								40
								41
	TOTALS:	88,031,783	0.00	0.00	0.00	7,392,092.11	0.0840	42

INTERCHANGE POWER (Included in Account 555)

- Report below the kilowatt-hours received and delivered during the year and the net charge or credit under interchange power agreements.
- 2. Provide subheadings and classify interchanges as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Associated Nonutilities, (4) Other Nonutilities, (5) Municipalities, (6) R.E.A. Cooperatives, and (7) Other Public Authorities. For each interchange across a state line place an "x" in column (b).
- 3. Particulars of settlements for interchange power

shall be furnished in Part B, Details of Settlement for Interchange Power. If settlement for any transaction also includes credit or debit amounts other than for increment generation expenses, show such other component amounts separately, in addition to debit or credit for increment generation expenses, and give a brief explanation of the factors and principles under which such other component amounts were determined. If such settlement represents the net of debits and credits under an interconnection, power pooling,

coordination, or other such arrangement, submit a copy of the annual summary of transactions and billings among the parties to the agreement. If the amount of settlement reported in this schedule for any transaction does not represent all of the charges and credits covered by the agreement, furnish in a footnote a description of the other debits and credits and state the amounts and accounts in which such other amounts are included for the year.

A. Summary of Interchange According to Companies and Points of Interchange

		Inter- change		Voltage at		Kilowatt-hours		
		Across State		Which Inter-				Amount of
Line	Name of Company	Lines	Point of Interchange	changed	Received	Delivered	Net Difference	Settlement
No.	(a)	(b)	(c)	(d)	(a)	(f)	(g)	(h)
	NEPEX				114,751,130	91,145,780	23,605,350	1,708,014.39
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12				TOTALS	114,751,130	91,145,780	23,605,350	1,708,014.39

B. Details of Settlement for Interchange Power

Line No.	Name of Company (i)	Explanation (j)	Amount (k)
13		Interchange Expense	1,562,330.04
14		Nepool and Administration Expense	145,684.35
15			
16			
17			
18			
19			
20			
21		TOTAL	1,708,014.39

ELECTRIC ENERGY ACCOUNT Report below the information called for concerning the disposition of electric energy generated, purchased and interchanged for the year. Line. Item Kilowatt-hours No. (a) (b) SOURCES OF ENERGY 2 Generation 3 Steam 4 Nuclear 5 Hydro 6 22,155 Other - Diesel 7 **Total Generation** 22,155 8 Purchases 88,031,783 114,751,130 9 (In (gross) 10 Interchanges < Out (gross) 91,145,780 23,605,350 11 (Net (Kwh) 12 (Received 13 Transmission for/by others (wheeling) < Delivered 14 (Net (Kwh) 15 TOTAL 111,659,288 **DISPOSITION OF ENERGY** 16 105,027,165 17 Sales to ultimate consumers (including interdepartmental sales) Sales for resale 18 19 Energy furnished without charge 20 Energy used by the company (excluding station use): 295,208 21 Electric department only 22 **Energy losses** 23 Transmission and conversion losses 0 Distribution losses 6,336,915 24 25 Unaccounted for losses 26 Total energy losses 6,336,915 27 Energy losses as percent of total on line 15 5.68% 28 **TOTAL** 111,659,288

MONTHLY PEAKS AND OUTPUT

- 1. Report hereunder the information called for pertaining to simultaneous peaks established monthly (in kilowatts) and monthly output (in kilowatt-hours) for the combined sources of electric energy of respondent.
- 2. Monthly peak col. (b) should be respondent's maximum kw load as measured by the sum of its coincidental net generation and purchase plus or minus net interchange, minus temporary deliveries (not interchange) of emergency power to another system. Monthly peak including such nergency deliveries should be shown in a footnote with a brief explanation
- as to the nature of the emergency.
- 3. State type of monthly peak reading (instantaneous 15, 30, or 60 minutes integrated.)
- 4. Monthly output should be the sum of respondent's net generation and purchases plus or minus net interchange and plus or minus net transmission or wheeling. Total for the year
- 5. If the respondent has two or more power systems not physically connected, the information called for below should be furnished for each system.

MARBLEHEAD

	MANDELITEAD										
			1	Monthly Peak			Monthly Output				
			Day of	Day of		Type of	(kwh)				
Line	Month	Kilowatts	Week	Month	Hour	Reading	(See Instr. 4)				
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)				
29	January	21,159	Tuesday	3	1900	Demand	10,149,879				
30	February	19,854	Sunday	12	1900	Demand	8,702,491				
31	March	18,315	Thursday	1	1900	Demand	8,546,724				
32	April	15,588	Monday	2	2100	Demand	7,600,542				
33	May	16,524	Saturday	26	1800	Demand	8,216,499				
34	June	27,135	Thursday	21	2100	Demand	9,333,025				
35	July	27,324	Tuesday	17	2100	Demand	11,618,062				
36	August	26,118	Friday	3	1700	Demand	11,587,197				
37	September	19,692	Friday	7	2000	Demand	8,625,483				
38	October	17,352	Sunday	28	1900	Demand	8,310,928				
39	November	19,215	Sunday	25	1900	Demand	8,884,289				
40	December	20,799	Sunday	16	1900	Demand	10,084,169				
41						TOTAL	111,659,288				

GENERATING STATIONS

Page 58

GENERATING STATION STATISTICS (Large Stations)

(Except Nuclear, See Instruction 10)

- 1. Large stations for the purpose of this schedule are steam and hydro stations of 2,500 Hw* or more of installed capacity and other stations of 500 Kw* or more of installed capacity (name plate ratings) (*10,000 Kw and 2,500 Kw, respectively, if annual electric operating revenues of respondent are \$25,000,000 ore more.)
- If any plant is leased, operated under a license from the Federal Power Commission, or operated as a joint facility, indicate such facts by the use of asterisks and footnotes.
- 3. Specify if total plant capacity is reported in kva instead of kilowatts as called for on line 5.

- 4. If peak demand for 60 minutes is not available, give that which is available, sssspecifying period.
- 5. If a group of employees attends more than one generating station, report on line 11 the approximate average number of employees assignable to each station.
- 6. If gas is used and purchased on a therm basis, the B.t.u. content of the gas should be given and the quantity of fuel consumed converted to M ct. ft.
- Quantities of fuel consumed and the average cost per unit of fuel consumered should be consistent with charges to expense 501 and

Line	Item	Plant	Plant	Plant
No.	(a)	(b)	(c)	(d)
1	Kind of plant (steam, hydro, int. com. Gas turbine	Int. Comb.	Int. Comb.	
2	Type of plant construction (conentional, outdoor			
	boiler, full outdoor, etc.)	Conventional	Conventional	
3	Year originally constructed	1938	1975	
4	Year last unit was installed	1948	1975	
5	Total installed capacity (maximum generator name			
	plate ratings in kw)	1,136	5,500	
6	Net peag demand on plant-kilowatts (60 min.)	1,050	5,100	
7	Plant hours connected to load			
8	Net continuous plant capability, kilowatts:			
9	(a) When not limited by condenser water			
10	(b) When limited by consenser water			
11	Average number of employees	2	1	
12	Net generation, exclusive of station use	0	46,300	
13	Cost of plant (omit cents):			
14	Land and land rights	10,696.49		
15		71,936.95	240,832.38	
16		·		
17	Equipment costs	306,243.93	849,393.55	
18	Roads, railrodadss, and bridges			
19	Total cost	388,877.37	1,090,225.93	
20	Cost per kw of installed capacity	370.36	213.77	
21	Production expenses:			
22	Operation supervision and engineering			
23	Station labor	24,193.29	24,193.29	
24	Fuel	0.00	5,304.82	
25	Suppliles and expenses, including water	717.00	1,434.00	
26	Maintenance			
27	Rents			
28	Steam from other sources			
29	Steam transferred - Credit			
30	Total Production expenses	24,910.29	30,932.11	
31	Expenses per net Kwh (5 places)	N/A	0.66808	
	Fuel: Kind	No 2 Fuel Oil	No 2 Fuel Oil	
33	Unit: (Coal-tons of 2,000 lb) (Oil-barrels of 42			
	gals.) (Gas-M cu. Ft.) (Nuclear, indicate)	Barrels	Barrels	
34	Quantity (units) of fuel consumed	0	43	
	Average heat content of fuel (B.t.u. per lb. Of coal,			
	per gal. Of oil or per cu. Ft. of gas)	138,000	138,000	
	Average cost of fuel per unit del. f.o.b. plant	0	\$144.40	
	Average cost of fuel per unit consumed	0	\$144.40	
	Average cost of fuel consumered per million B.t.u.	0	\$24.93	
	Average cost of fuel consumer per kwh net gen.	0	\$0.238	
40	Average B.t.u. per kwh net generation	0	11,375	
41				
42				

GENERATING STATION STATISTICS (Large Stations) -- Contunued

(Except Nuclear, See Instuction 10)

547 as shown on Line 24

- 8. The items under cost of plant and production expenses represents accounts or combinations of accounts prescribed by the Uniform System of Accounts. Production expenses, however, do not include Purchased Power, System Control and Load Dispatching, and Other Expenses classified as "Other Power Supply Expenses."
- 9. If any plant is equipped with combinations of steam, hydro, internal combustion engine or gas turbine equipment, each should be reported as a separate plant. However, if a gas turbine unit functions in a combined
- operations with a conventional steam unit, the gas turbine shold be included with the steam station.
- 10. If the respondent operates a nuclear power generating station submit: (a) a brief explanatory statement concerning accounting for the cost of power generated including any attribution of excess costs to research and development expenses: (b) a brief explanation of the fuel accounting specifying the accounting methods and types of cost units used with respect to tthe various components of the fuel cost, and (c) such additional information as may be informative concerning the type of plant, kind of fuel used, and other physical and operating characteristics of the plant.

Plant	Plant	Plant	Plant	Plant	Plant	Line
(e)	(f)	(g)	(h)	(I)	(j)	No
						1
						2
						3
						4
						5
*** NONE ***						6
						7
						8
						9
						10
						11
						12
						13
						14
						15
						16
						17
						18
						19
						20
						21
						22
						23
						24
						25
						26
						27
						28
						29
						30
						31
						32
						33
						34
						35
						36
						37
						38
						40
						41
						42

STEAM GENERATING STATIONS

- 1. Report the information called for concerning generating stations and equipment at end of year.
- 2. Exclude from this schedule, plant, the book cost of which is included in Account 121, Nonutility Property.
- 3. Designate any generating station or portion thereof for which the respondent is not the sole owner. If such property is leased from another company, give name of

lessor, date and term of lease, and annual rent. For any generating station, other than a leased station or portion thereof for which the respondent is not the sole owner but which the respondent operates or shares in the operation of, furnish a succinct statement explaining the arrangement and giving particulars as to such matters as percent ownership by respondent, name of co-owner, basis of sharing output,

				Boilers					
Line No.	Name of Station	Location of Station (b)	Number and Year Installed (c)	Kind of Fuel and Method of Firing (d)	Rated Pressure in Ibs. (e)	Rated Steam Temperature* (f)	Rated Max. Continuous M Ibs. Steam per Hour (g)		
140.	(a)	(b)	(c)	(u)	(6)	(1)	(9)		
1									
2									
3									
4									
5	*** NONE ***								
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18 19									
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22									
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24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									
36 37									

STEAM GENERATING STATIONS -- Continued

expenses ro revenues, and how expenses and/or revenues are accounted for and accounts affected. Specify if lessor, co-owner, or other party is an associated company.

- 4. Designate any generating station or portion thereof leased to another company and give name or lesse, date and term of lease and annual rent and how determined. Specify whether lessee is an associated company.
- 5. Designate any plant or equipment owned, not operated, and not leased to another company. If such plant or equipment was not operated within the past year explain whether it has been retired in the books of account or what disposition of the plant or equipment and its book cost are contemplated.

Turbine-Generators*

	Steam in Kile Pressure At		Name Plate in Kilov At		Hydrogen				Station Capacity		
Year Installed	Туре	at Throttle	R.P.M.	Minimum Hydrogen	Maximum Hydrogen	Press	ure**	Power Factor	Voltage K.v.++	Maximum Name Plate	
		p.s.l.g.	13.1.141.	Pressure	Pressure	Min.	Max.	1 actor		Rating*+	Line
(h)	(I)	(j)	(k)	(I)	(m)	(n)	(o)	(p)	(q)	(r)	No.
											1
											2
											3
											4
											5
											6
	*** NONE ***										7
											8 9
											10
											11
											12
											13
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											15
											16
											17 18
											19
											20
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											26 27
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											29
											30
											31
											32
											33
											34 35
											36
		I	I		TOTALS		1		I		37

HYDROELECTRIC GENERATING STATIONS

- 1. Report the information called for concerning generating stations and equipment at end of year. Show associated prime movers and generators on the same line.
- 2. Exclude from this schedule, plant, the book cost of which is included in Account 121, Nonutility Property.
- 3. Designate any generating station or portion thereof for which the respondent is not the sole owner. If such

property is leased from another company give name of lessor, date and term of lease, and annual rent. For any generating station, other than a leased station, or portion therof, for which the respondent is not the sole owner but which the respondent operates or shares in the operation of, furnish a succinct statement explaining the arrangement and giving particulars as to such matters as

				Water Wheels						
Line No.	Name of Station (a)	Location (b)	Name of Stream	Attended or Unattended (d)	Type of Unit* (e)	Year Installed (f)	Gross Static Head with Pond Full (g)			
		•								
1										
2										
3										
4 5	*** NONE ***									
6	NONE									
7										
8										
9										
10										
11										
12										
13										
14										
15										
16 17										
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35										
36										
37										

HYDROELECTRIC GENERATING STATIONS -- Continued

percent of ownership by respondent, name of co-owner basis of sharing output, expenses, or revenues, and how expenses and/or revenues are accounted for and accounts affected. Specify if lessor, co-owner, or other party is an associated company.

4. Designate any generating station or portion thereof leased to another company and give name of lessee, date and term of lease and annual rent and how determined.

Specify whether lessee is an associated company.

5. Designate any plant or equipment owned, not operated and not leased to another company. If such plant or equipment was not operated within the past year explain whether it has been retired in the books of account or what disposition of the plant or equipment and its book cost are contemplated.

	r Wheels				Gene	erators				
Design Head (h)	R.P.M. (I)	Maximum hp. Capacity of Unit at Design Head (j)	Year Installed (k)	Voltage (I)	Phase (m)	Fre- quency or d.c. (n)	Name Plate Rating of Unit in Kilowatts (o)	Number of Units in Station (p)	Total Installed Generating Capacity in Kil- owatts (name plate ratings) (q)	Line No.
(")	(1)	U)	(1/1)	(1)	(''')	(")	(0)	(4)	(4)	140.
										1
										2
										3
										4
										5
										7
										8
										9
										10
										11 12
										13
		*** NONE ***								14
										15
										16
										17 18
										19
										20
										21
										22
										23 24
										25
										26
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										30 31
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										35
										36 37
										38
		<u> </u>	ı	1	I	TOTALS				39

Annual Re	eport of the	Town of	Marblehead
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Year Ended December 31, 2012

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COMBUSTION ENGINE AND OTHER GENERATING STATIONS (except nuclear stations)

- Report the information called for concerning generaing stations and equipment at end of year. Show associated prime movers and generators on the same line.
- 2. Exclude from this schedule, plant, the book cost of which is included in Account 121, Nonutility Property.
- 3. Designate any generating station or portion thereof for which the respondent is not the sole owner. If such

property is leased from another company, give name of lessor, date and term of leas, and annual rent. For any generating station, other than a leased station, or portion thereof, for which the respondent is not the sole owner but which the respondent operates or shares in the operation of furnish a succinct statement explaining the arragement and giving particulars as to such matters as percent owner-

			Prime Movers									
			Diesel or				Belted					
Line	Name of Station	Location of Station	Other Type	Name of Maker	Year	2 or 4	or Direct					
			Engine		Installed	Installed	Connected					
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)					
1	Commercial	80 Commercial	Diesel	Fairbanks Morse	1948	2	Direct					
2	Wilkins 1	Woodfin Terrace	Diesel	General Motors	1975	2	Direct					
	Wilkins 2	Woodfin Terrace	Diesel	General Motors	1975	2	Direct					
4												
5												
7												
8												
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Page 65

STION ENGINE AND OTHER GENERATING STATIONS-Coexcept nuclear stations

ship by respondent, name of co-owner, basis of sharing output, expenses, or revenues, and how expenses and/or revenues are accounted for and accounts affected. Specify if lessor, co-owner, or other party is an associated company.

4. Designate any generating station or portion thereof leased to another company and give name of lessee, date and term of lease and annual rent and how determined.

Specify whether lessee is an associated company.

5. Designate any plant or equipment owned, not operated and not leased to another company. If such plant or equipment was not operated within the past year explain whether it has been retired in the books of account or what disposition of the plant or equipment and its book cost are comtemplated.

Prime	Movers - Contir	nued			Generat	ors			
Rated hp. of Unit	Total Rated hp. of station Prime Movers	Year Installed	Voltage	Phase	Frequency or d.c.	Name Plate Rating of Unit in Kilowatts	Number of Units in Station	Total Installed Generating Capacity in Kilowatts (name plate ratings)	Line
(h)	(i)	(j)	(k)	(I)	(m)	(n)	(0)	(p)	No.
1600	1600	1948	4160	3	60	1136	1	1136	1
3600	3600	1975	4160	3	60	2750	1	2750	2
3600	3600	1975	4160	3	60	2750	1	2750	2 3 4 5 6 7 8 9
									4
									5
									6
									7
									8
									9
									10
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									36
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									38
					TOTALS				39

Annual Report of the Town of Marblehead Year Ended December 31, 2012 Page 66

STATION STATISTICS - (§

- Small generating stations, for the p urpose of this schedule, are steam and hydro stations of less than 2,500 KW* and other stations of less than 500 KW* installed capacity (name plate ratings). (*10,000 KW and 2,500 KW, respectively, if annual electric operating revenues of respondent are \$25,000,000 or more.
 Designate any plant leased from others, operated under a license from the Federal Power Commission,
- or operatedd as a joint facility, and give a concise statement of the facts in a footnote.
- List plants appropriately under subheadings for steam, hydro, nuclear internal combustion engine and gas turbine stations. For nuclear, see instructions 10 page 59.
- 4. Specify if total plant capacity is reported in kva instead of kilowatts.

5. If peak demand for 60 minutes is not available, give that which is available, specifying period.
6. If any plant is equipped with combustions of steam, hydro, internal combustion engine or gas turbine equipment, each should be reported as a separate plant. However, if the exhaust heat fro the gas turbine is utilized in a steam turbine regenerative feed water cycle, report as one plant.

												Fuel Cost
			Installed		Net		Plant	Production				Per KWH
			Capacity	Peak	Generation		Cost		Depreciation	1		Net
	Name of Plant		Name	Demand	Excluding		Per KW	and T			Kind	Generation
		Year	Plate	KW	Station	Cost of Plant	Inst.	(Omit (Cents)		of	(Conts)
Line		Const.	Rating - KW	(60 Min.)	Use	(Omit Cents)	Capacity	Labor	Fuel	Other	Fuel	0.00
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(I)	(j)	(k)	(1)
	1											
	2 N/A											
	3											
	4											
	5											
	6											
	7											
	8											
	9											
1												
1												
1												
1												
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1												
2												
2												
2												
2												
2												
2												
2												
2												
2	8	TOTALS										

TRANSMISSION LINE STATISTICSReport information concerning transmission line as indicated below.

				Type of	Length (Pole Miles) On Structures of On Structures o		Number	Size of
	Desi	ignation	Operating	Supportive		On Structures of	of	Conductors
Line	From	То	Voltage	Structure	Line Designated	Another Line	Circuits	and Material
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1	Salem	Village-13 Sub	22.9 KV	Wood Pole	1.49			
2		Village-13 Sub	22.9 KV	Underground	0.98			
3	Village-13 Sub	Village-5 Sub	22.9 KV	Underground	0.07			
4	Village-13 Sub	Clifton Sub	13.2 KV	Wood Pole	1.40			
5		Clifton Sub	13.2 KV	Wood Pole		2.40 *		
6		Beacon Sub	13.2 KV	Wood Pole		1.30 *		
7		Commercial Sub	13.2 KV	Underground	1.90			
8		Creesy St	13.2 KV	Underground	1.01			
9	Creesy St	Commercial Sub	13.2 KV	Wood Pole		.97 *		
10	Creesy St	Beacon Sub	13.2 KV	Wood Pole		.70 *		
11								
12								
13								
14								
15 16								
17								
18								
19								
20								
21								
22								
23						* Distribution Pole	e Line	
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39 40								
40								
41								
43								
44								
45								
46								
47				TOTALS	6.85	5.37 *		
		nan 60 cycle, 3 pha	se, so indica	ate.			1	

- Report below the information called for concerning substations of the respondent as of the end of the year.
- Substations which serve but one industrial or street railway customer should not be listed hereunder.
- Substations with capacities of less that 5000 kva, except those serving customers with energy for resale, may be grouped according to functional character, but the number of such substations must be shown.
- 4. Indicate in column (b) the functional character of each substation, designating

SUBSTATIONS

- whether transmission or distribution and whether attended or unattended.

 5. Show in columns (i), (j), and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity.
- 6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by reason of sole ownership by the respondent. For any substation or equipment operated under lease, give

name of lessor, date and period of lease and annual rent. For any substation or equipment operated other than by reason of sole ownership or lease, give name of co-owner or other party, explain basis of sharing expenses of other accounting between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether lessor, co-owner or other party is an associated company.

			No. Harris					Convers	sion Appara	atus and	
		Character		Volta	ige	Capacity of	Number of	Number of		cial Equipr	
	Name and Location	of				Substation in kva	Transformers	Spare	Type of	Number	Total
Line	of Substation	Substation	Primary	Secondary	Tertiary	(In Service)	In Service	Transformers	Equipment	of Units	Capacity
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
1	Clifton Substation	Distribution	13,200	4,160		18,700	2	NONE	NONE	NONE	NONE
2	off Ames Road	Unattended									
3	Beacon Substation	Distribution	13,200	4,160		5,000	1	NONE	NONE	NONE	NONE
4	off Woodfin Terrace	Unattended									
5	Commercial Substation	Distribution	13,200	4,160		8,000	2	NONE	NONE	NONE	NONE
6	off Commercial St	Unattended									
7	Village-5 Substation	Distribution	22,900	4,160		30,000	2	NONE	NONE	NONE	NONE
8	off Village St	Unattended									
9	Village-13 Substation	Distribution	22,900	13,200		30,000	2	NONE	NONE	NONE	NONE
10	off Village St	Unattended									
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26					TOTALS	91,700	9	NONE	NONE	NONE	NONE

OVERHEAD DISTRIBUTION LINES OPERATED

Line			Length (Pole Miles)		
No.			Wood Poles	Steel Towers	Total
1	Miles Beginning of Year		88,129.00		88,129.00
2	Added During Year		0.00		0.00
	Retired During Year		0.00		0.00
4	Miles End of Year		88,129.00	0.00	88,129.00
5					
6					
7	A.C. 3 Phase & 1 Phase	60 Cycles	2400/4160		
8			120/240		
9			120/208		
10			277/480		
11					
12					
13					
14					
15					

ELECTRIC DISTRIBUTION SERVICES, METERS AND LINE TRANSFORMERS

				Line Transformers	
		Electric	Number of		Total
Line	Item	Services	Watt-hour	Number	Capacity
No.			Meters		(kva)
16	Number at beginning of year:	8,293	10,633	1,233	54,756.5
17	Additions during year				
18	Purchased		330	32	2,450.0
19	Installed	27			
20	Associated with utility plant acquired				
21	Total Additions	27	330	32	2,450.0
22	Reductions during year:				
23	Retirements	14	339	34	2,165.0
24	Associated with utility plant sold				
25	Total Reductions	14	339	34	2,165.0
26	Number at end of year	8,306	10,624	1,231	55,041.5
27	In stock		330	99	7,492.0
28	Locked meters on customers' premises		21		
29	Inactive transformers on system				
30	In customers' use		10,251	1,113	46,871.0
31	In company's use		22		
32	Number at end of year		10,624	1,212	54,363.0

54,363.0

umaa	I Report of the Town of Marblehead CONDUIT, UNDERGROUND (CARLE AND CHOMAD			mber 31, 2012		Page /u
	Report below the information called for concerning						
	The state of the s	Miles of Co			ind Cable	Subm	narine Cable
Line	Designation of Underground System	(All Sizes a		Miles *	Operating	Feet *	Operatin
			71: /		Voltage		Voltage
No.	(a)		(b)	(c)	(d)	(e)	(f)
1	Balance 12/31/2001:		24.606	57.36			
2	Additions 2002:						
3	Walnut St/Chestnut St to Atlantic Ave	5" pvc x 6	0.38				
4	Clifton Substation Risers						
5	- Spare #1 (Tedesco #2)	5" pvc x 2	0.12				
		5" pvc x 2	0.10				
7		5" pvc x 2	0.10				
	- 1301 Feeder	5" pvc x 2	0.05				
9		5" pvc x 2	0.05				
	- Humphrey Ckt	5" pvc x 2	0.05				
	- Tedesco Ckt	5" pvc x 2	0.06				
	- Spare #2	5" pvc x 2	0.08				
13	Crowninshield Road	4" pvc x 2	0.01				
14	Additions 2003:						
15	Clifton Sub - Garden Ckt *3			0.84			
16	Additions 2004:						
17	Green Street	4" pvc x 2	0.18				
	Additions 2005:						
	School Street	4" pvc x 2	0.03	0.09			
	Essex Street	4" pvc x 2	0.03	0.09			
	Humphrey Street	4" pvc x 2	0.08	0.24			
	Highland Project	5" pvc x 2	0.29	0.87			
	Clipper Way	5" pvc x 2	0.13	0.13			
24	Harvard Street	4" pvc x 2	0.04	0.04			
25	Thomas Circle	4" pvc x 2	0.03	0.03			
26	Additions 2006:						
27	Leggs Hill Road	4" pvc x 2	0.11	0.11			
	Tower School	4" pvc x 2	0.07	0.07			
	Additions 2007:	I PVOX 2	0.07	0.07			
	YMCA	4" pvc x 2	0.19	0.19			
		· ·					
	Westminster	5" pvc x 2	0.11	0.11			
	Additions 2008:						
33	Highland Project	5" pvc x 2	0.10	0.30			
34	Causeway	5" pvc x 4	0.98				
35	Additions 2009:						
36	Village School	4" pvc x 2	0.09	0.27			
	Crowninshield #22	4" pvc x 2	0.06	0.06			
	Additions 2010:		0.00	0.00			
	Tedesco Country Club	4" pvc x 2	0.04	0.06			
	,						
	Stramski's Way	4" pvc x 2	0.21	0.11			
	Additions 2011:	4					
	National Grand Bank	4" pvc x 1	0.03	0.08			
	Osborne Bidg Pleasant Street	4" pvc x 1	0.02	0.05			
	Leggs Hill Road	4" pvc x 1	0.03	0.00			
45	Additions 2012:						
46	Camille Terrace	4" pvc x 1	0.07				
47							
48							
49							
50							
	I .						
51	TOTA	VI 6	28.526	61.10			

STREET LAMPS CONNECTED TO SYSTEM Туре Mercury Vapor Sodium Incandescent Florescent & Quartz Line City or Town Total Municipal Other Municipal Other Municipal Other Municipal Other (j) NONE No. (a) (b) (c) (d) (e) (f) (h) (i) (g) 1 Marblehead NONE NONE NONE NONE NONE NONE 6 TOTALS

RATE SCHEDULE INFORMATION

1. Attach copies of all Filed Rates for General Consumers Show below the changes in rate schedules during year and the estimated increas or decrease in annual revenues predicted on the previous year's operations.

or decrease in annual revenues predicted on the previous year's operations.						
F			Estimated Effect on			
Effective	Effective M.D.P.U. Rate Date Number Schedule					
Date			Annual Revenues			
			Increases	Decreases		
		See Attached For New Rates				
		As Of June 2011				
	1			<u> </u>		

INDEX

21 5 6 14 5 1-65 0-11 70 - 8B
6 14 5 4-65 0-11 70
5 4-65 0-11 70
4-65 0-11 70
0-11 70
70
- 8B
4
14
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69
57
37
9-42
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3-59
66
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12 56
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57
22
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50
69
18
22
1-55
79
22
2-53
38
4
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76
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77
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PAGES INTENTIONALLY OMITTED: 9, 13, 23 TO 36, 72 TO 78, 80

The Commonwealth of Massachusetts

Return

of the

Municipal Light Department of

the Town of Marblehead

to the

Department of Public Utilities

of Massachusetts

For the Year ended December 31,

2012

Name of officer to whom correspondence should be addressed regarding this report:

Official title: General Manager

Jay P. Anderson Office address: P.O. Box 369

80 Commercial Street Marblehead, MA 01945

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY						
		Mayor				
Jay P. Anderson		Manager of Electric Light				
Philip W. Sweeney	Commission Chairman					
Wilbur E. Bassett	Commissioner	Selectmen or Members				
Calvin T. Crawford	Commissioner	of the Municipal Light				
Valter E. Homan	Commissioner	Board				
Charles O. Phillips	Commissioner					